

**Jalama Beach County Park
Leach Field Improvements & Bioswale / Artificial Wetlands
Annual Summary 2005**



This project has two elements: 1) improvements to the park's septic system leach-field complex and 2) the construction of a surface water runoff treatment system, including amendments to the existing waste discharge permit with the Regional Water Quality Control Board, land use and building permits for the construction of the improvements, project management and administration, and project monitoring. The element involving the septic system includes engineering analysis of the current maximum daily flow, an assessment of current leach field treatment capacity and design of necessary modifications. (The capacity of one of the park's two leach fields is believed to be insufficient for peak summer daily flows.) Sufficient space is available for leach field modification. Connection with a sanitary sewer is not feasible due to the remote location of the park. RWQCB staff is supportive of this project.

The second element of the project is the design and construction of a vehicle wash pad effluent filtration system which will clean waste water from equipment and machinery wash down prior to entering nearby Jalama Creek. This effluent filtration system is in lieu of the bioswale system that was originally envisioned to address this type of runoff. During the preliminary engineering phase, it was determined that the grading associated to allow the bioswale to flow would require extensive archeological work and would impact an undisturbed site. The required grading of the bioswale would also impact nearby sensitive creek habitat. A storm drain filter system will also be installed on an existing overside drain leading to the creek area.

The project requires coastal land use permits as well as changes to the existing Waste Discharge Order for the park. The first phase of this grant funded the preliminary and final engineering construction plans and specifications. The project elements have been designed so as to have minimal impact on the ongoing operation of the park. Maintenance would be performed by on-site park staff and will not increase overall operation costs. Phase II of the grant will fund construction, which is scheduled to begin in October 2005, after the park peak use season.